

Reclamation Estimate for Crystal Peak Minerals Corporation
Sevier Dry Lake Project M/027/008 **Page 1 of 2**

Prepared By
Utah State Division of Oil, Gas and Mining
May 18, 1989

Description	Quantity	Unit	\$/Unit	Total Cost (\$)
Pond System Reclamation (a)				
Pumping into Ponds to Breach Dikes		Lump Sum		17,500
Labor and Vehicles		Lump Sum		20,000
Subtotal				37,500
1987 and 1988 Construction Reclamation (b)				
Borrow Area - Revegetate		Lump Sum		6,800
Plug Water Well		Lump Sum		2,500
Campsite		Lump Sum		3,500
Subtotal				12,800
Total Reclamation Cost for pre-1989 Disturbances (1988 dollars) (c)				50,300
(1989 dollars)				51,500
Salt Wash Plant and Facilities Reclamation				
Remove Conveyors and Structures	1,200	Feet	3.50	4,200
Remove Hoppers, Screens, Pumps, Etc.		Lump Sum		3,000
Remove Trash	22.6	Acres	100	2,260
Leach Salt Pad Through Existing Drains	6	Weeks	1000	6,000
Grade for Uniformity	22.6	Acres	323	7,300
Replace Topsoil	18,230	Cubic Yards	0.80	14,580
Revegetate	22.6	Acres	318	7,190
Subtotal				44,530
Process Water Line Reclamation				
Revegetate	1.5	Acres	318	480
Total 1989 Proposed Disturbance				45,010
Totals (Disturbances through 1989)				96,510
Add Contingency (10%)				9,650
TOTAL RECLAMATION COST (1989 Dollars)				106,160
TOTAL RECLAMATION COST (1994 Dollars) @ 1.93% Annual Inflation				117,000
Less Amount Currently Held By Bureau of Land Management				53,000
Less Amount Currently Held By State Lands and Forestry				5,000
AMOUNT REQUIRED BY THE DIVISION OF OIL, GAS AND MINING				59,000

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- (a) This amount includes the reclamation of constructed and proposed dikes and ditches in the solar pond complex. When all facilities are constructed, these figures will be reviewed.
- (b) The borrow area has been regraded. Also, one of the water wells has been reclaimed.
- (c) The amount of surety required for this work (\$53,000) was accepted by the Board of Oil, Gas and Mining on March 31, 1988. The BLM holds a corporate surety bond for this amount.

Cost Parameters Used

988B Wheel Loader (O&O)	165	\$/hour
769C Off-Highway Truck (O&O)	100	Cubic Yards/hour
D-8 Dozer (O&O)	160	\$/hour
Labor Only	24	\$/hour
Trash Removal	100	\$/acre
Farm Tractor (O&O)	67	\$/hour
Speed	4	mph
Width of Pass	6	feet

Revegetation Cost per Acre	Quantity	Unit	\$/Unit	Total Cost (\$)
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Bare Costs				
Seed Mix	24.9	Pounds	9.92	247
Application Costs				
Seed Mix (using drill seeder)	0.5	Hours	95	48
Scarify (tractor with chain)	0.3	Hours	67	23
Subtotal				<hr/> 71
Total Revegetation Cost per Acre				318